

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071118\
 Data File : BF107316.D
 Acq On : 11 Jul 2018 22:26
 Operator : JU/SJ
 Sample : J3911-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB47196RT

Quant Time: Jul 12 01:07:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 11 16:39:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	56969	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	199395	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	88510	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	169498	20.00	ng	0.00
75) Chrysene-d12	14.14	240	147806	20.00	ng	0.00
86) Perylene-d12	15.68	264	107320	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	151798	45.12	ng	0.02
7) Phenol-d6	6.59	99	123830	29.47	ng	0.01
23) Nitrobenzene-d5	7.50	82	202504	56.44	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	82416	80.34	ng	0.00
44) 2-Fluorobiphenyl	9.30	172	358706	65.15	ng	0.00
78) Terphenyl-d14	13.07	244	402925	66.03	ng	0.00

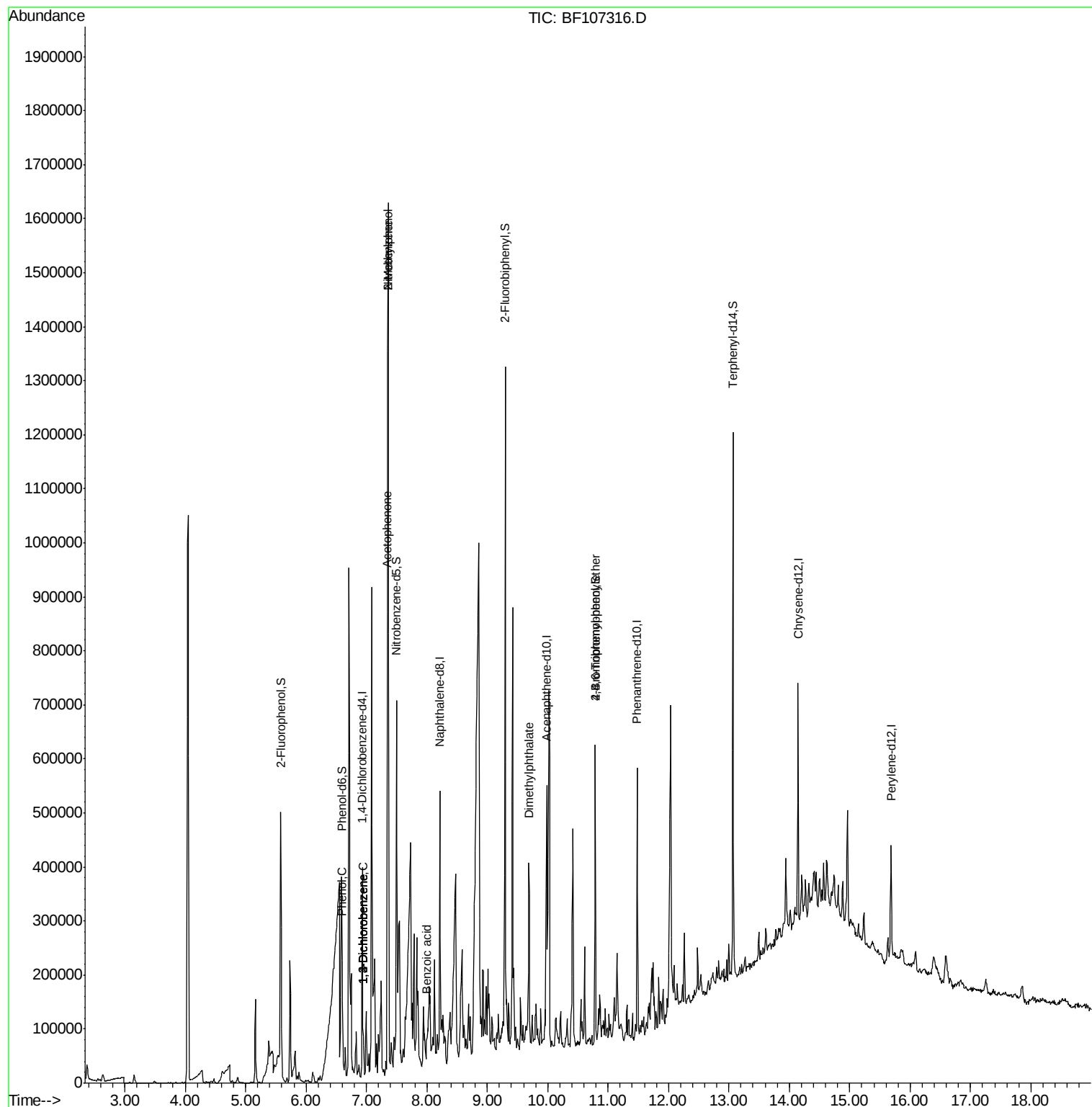
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.60	94	31134	6.493	ng	96
12) 1,3-Dichlorobenzene	6.95	146	12768	2.954	ng	96
13) 1,4-Dichlorobenzene	6.95	146	12768	2.922	ng	97
14) 1,2-Dichlorobenzene	6.95	146	12768	3.188	ng	96
17) 2-Methylphenol	7.36	107	542238	171.711	ng	# 70
20) 3+4-Methylphenols	7.36	107	542569	Below Cal		86
22) Acetophenone	7.34	105	13224	2.964	ng	# 1
24) Nitrobenzene	7.36	77	156760	42.794	ng	# 42
32) Benzoic acid	8.00	122	1180	6.266	ng	# 72
49) Dimethylphthalate	9.69	163	128857	19.411	ng	98
66) 4-Bromophenyl-phenylether	10.79	248	5055	2.499	ng	# 1

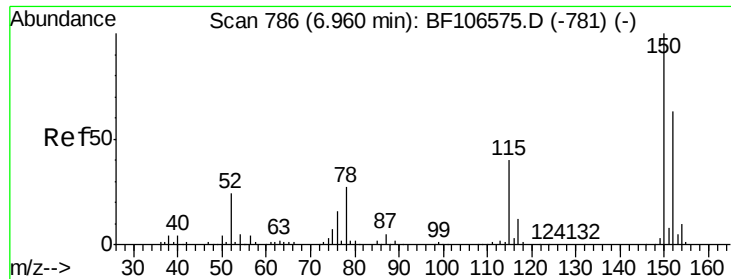
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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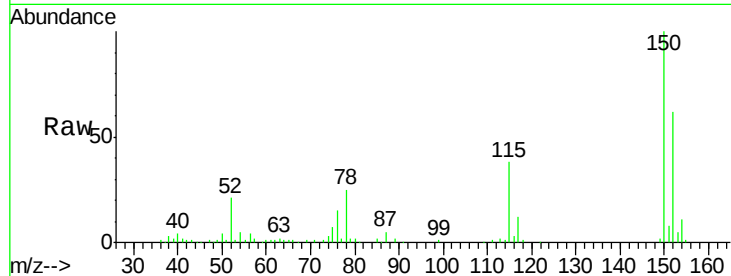




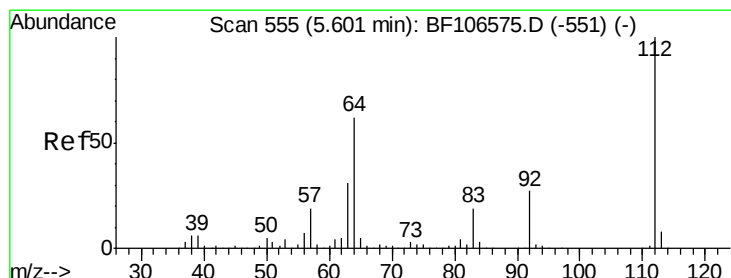
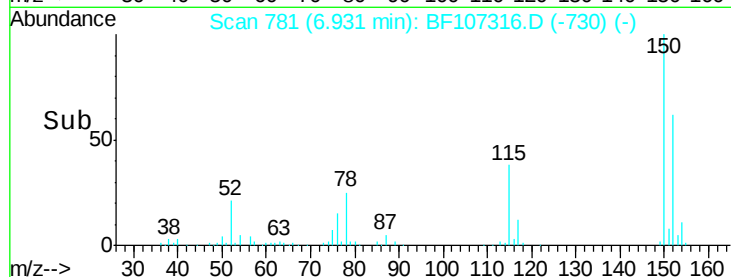
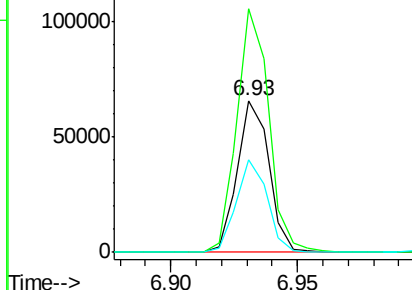
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.93 min Scan# 781
 Delta R.T. -0.00 min
 Lab File: BF107316.D
 Acq: 11 Jul 2018 22:26

Instrument :
 BNA_F
 ClientSampleId :
 RB47196RT

Tgt Ion:152 Resp: 56969
 Ion Ratio Lower Upper
 152 100
 150 160.3 124.6 186.8
 115 60.6 50.1 75.1

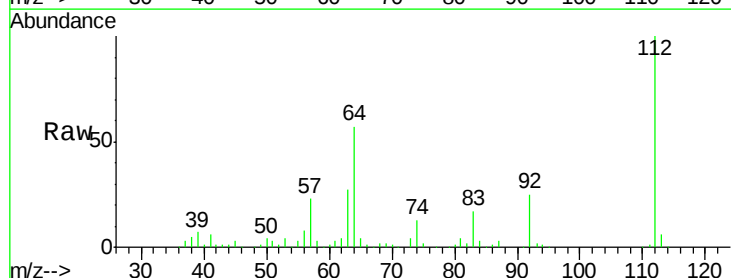


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

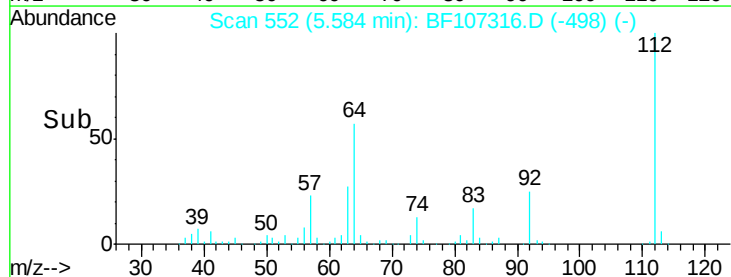
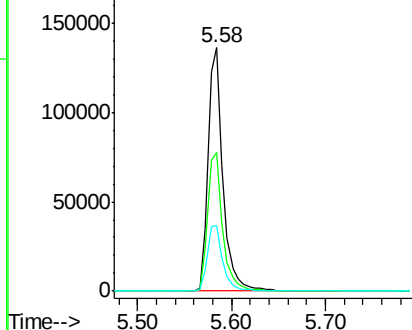


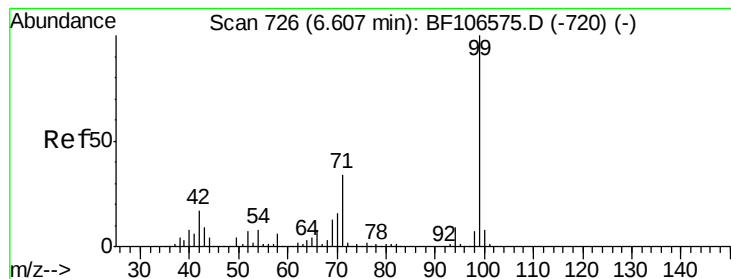
#5
 2-Fluorophenol
 Concen: 45.120 ng
 RT: 5.58 min Scan# 552
 Delta R.T. 0.02 min
 Lab File: BF107316.D
 Acq: 11 Jul 2018 22:26

Tgt Ion:112 Resp: 151798
 Ion Ratio Lower Upper
 112 100
 64 57.0 47.9 71.9
 63 26.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 29.473 ng

RT: 6.59 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF107316.D

Acq: 11 Jul 2018 22:26

Instrument :

BNA_F

ClientSampleId :

RB47196RT

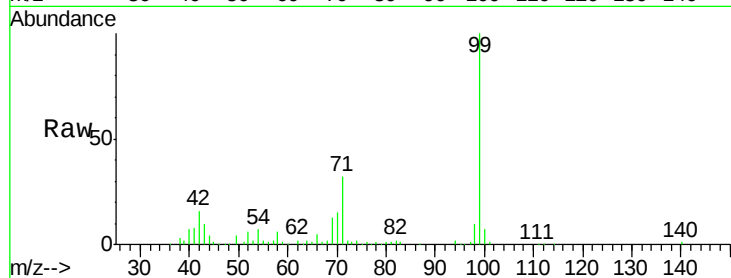
Tgt Ion: 99 Resp: 123830

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

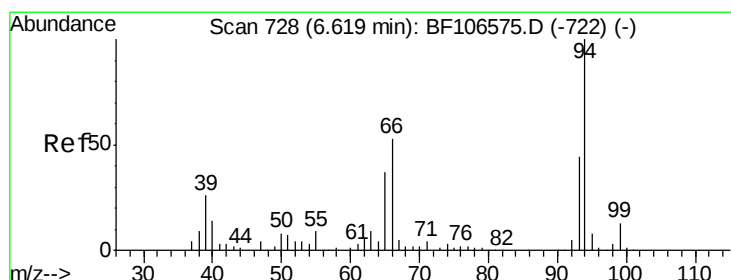
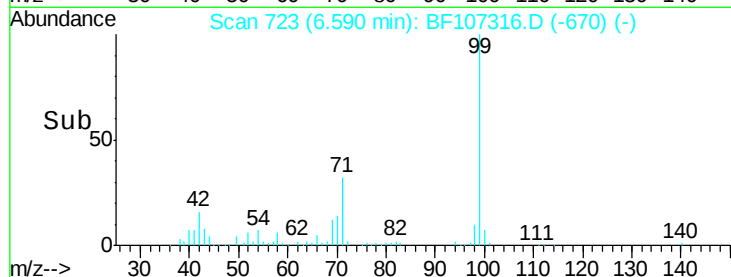
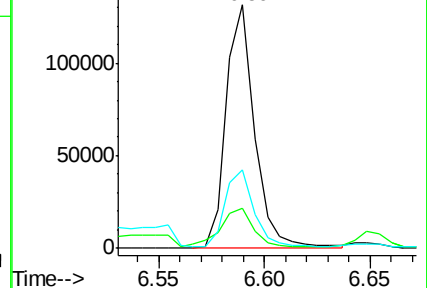
71 32.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 6.493 ng

RT: 6.60 min Scan# 725

Delta R.T. 0.01 min

Lab File: BF107316.D

Acq: 11 Jul 2018 22:26

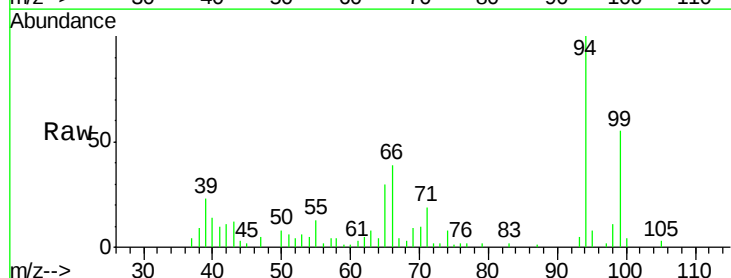
Tgt Ion: 94 Resp: 31134

Ion Ratio Lower Upper

94 100

65 30.1 7.9 47.9

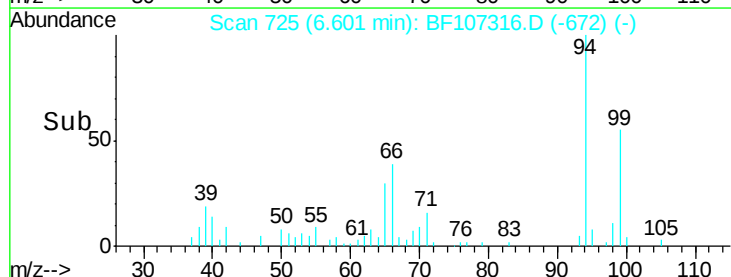
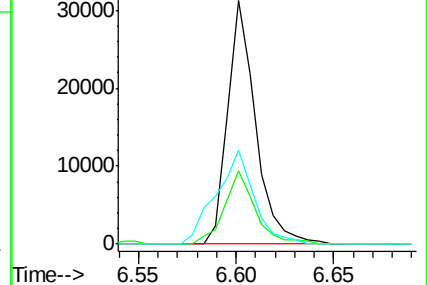
66 38.5 16.2 56.2

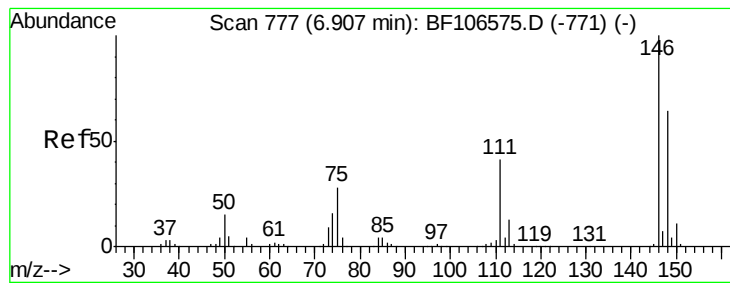


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#12

1,3-Dichlorobenzene

Concen: 2.954 ng

RT: 6.95 min Scan# 784

Delta R.T. 0.08 min

Lab File: BF107316.D

Acq: 11 Jul 2018 22:26

Instrument :

BNA_F

ClientSampleId :

RB47196RT

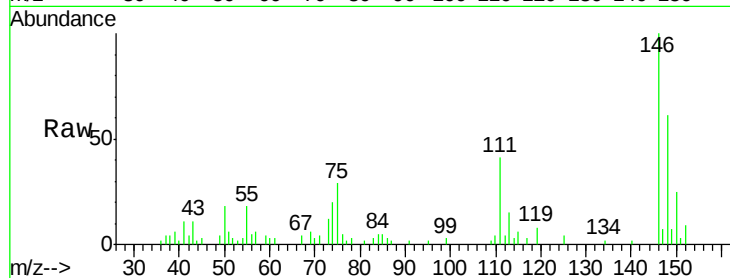
Tgt Ion:146 Resp: 12768

Ion Ratio Lower Upper

146 100

148 61.1 51.8 77.8

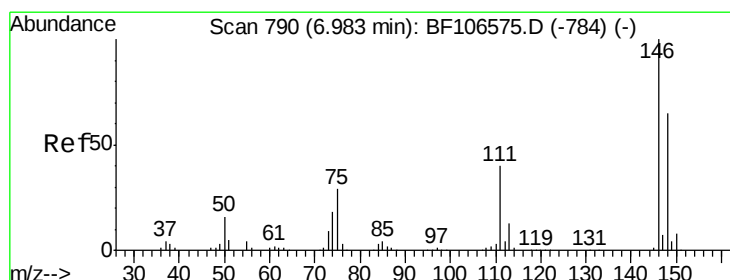
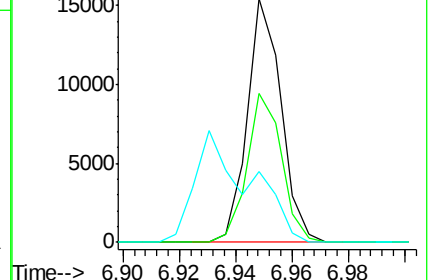
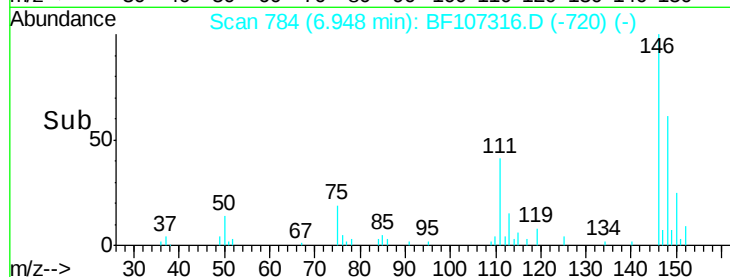
75 28.9 24.2 36.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1



#13

1,4-Dichlorobenzene

Concen: 2.922 ng

RT: 6.95 min Scan# 784

Delta R.T. -0.00 min

Lab File: BF107316.D

Acq: 11 Jul 2018 22:26

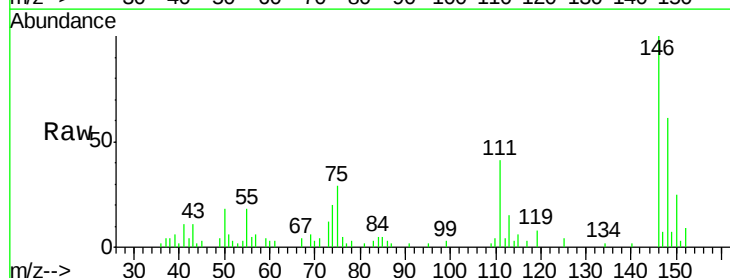
Tgt Ion:146 Resp: 12768

Ion Ratio Lower Upper

146 100

148 61.1 50.8 76.2

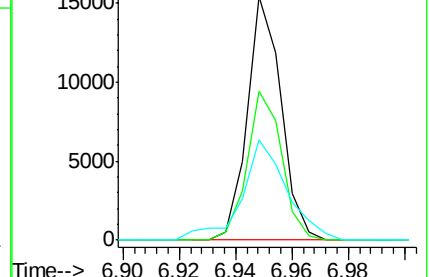
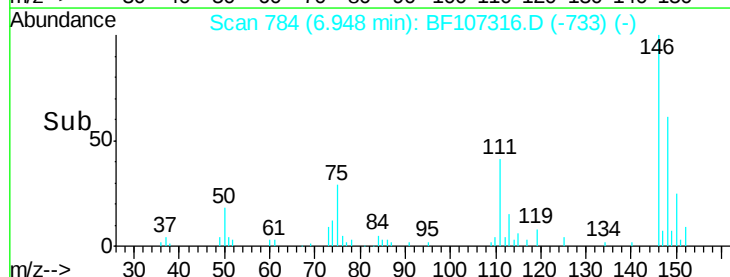
111 41.3 34.2 51.2

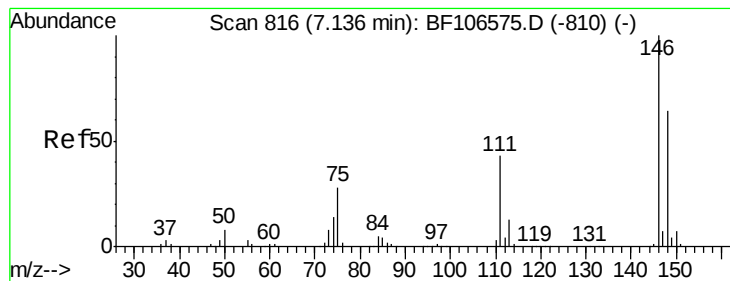


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 3.188 ng

RT: 6.95 min Scan# 784

Delta R.T. -0.15 min

Lab File: BF107316.D

Acq: 11 Jul 2018 22:26

Instrument :

BNA_F

ClientSampleId :

RB47196RT

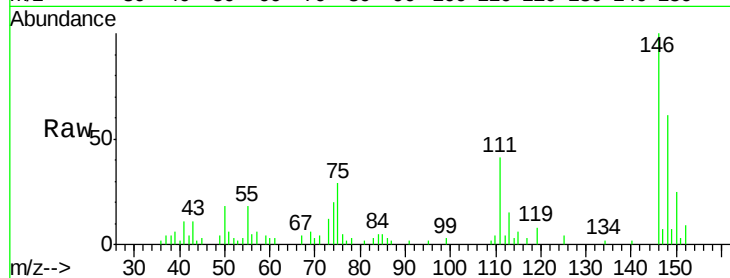
Tgt Ion:146 Resp: 12768

Ion Ratio Lower Upper

146 100

148 61.1 50.6 75.8

111 41.3 36.0 54.0

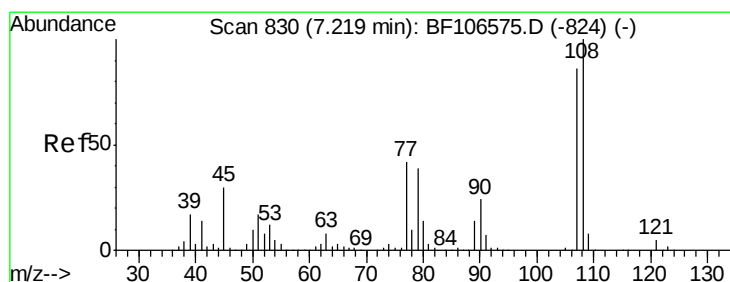
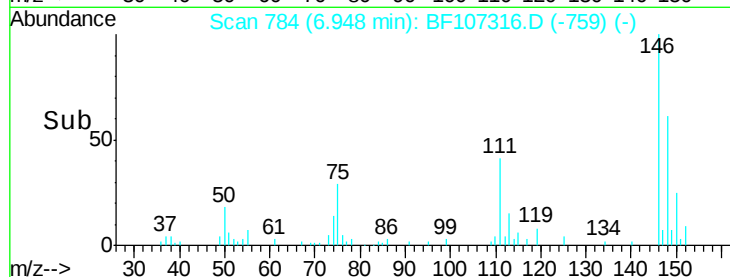
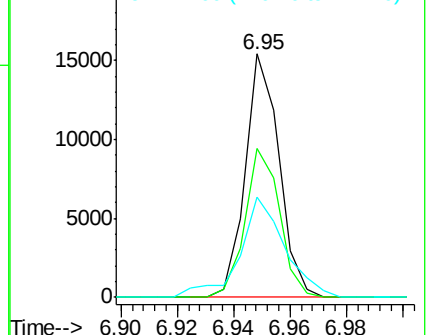


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#17

2-Methylphenol

Concen: 171.711 ng

RT: 7.36 min Scan# 854

Delta R.T. 0.16 min

Lab File: BF107316.D

Acq: 11 Jul 2018 22:26

Tgt Ion:107 Resp: 542238

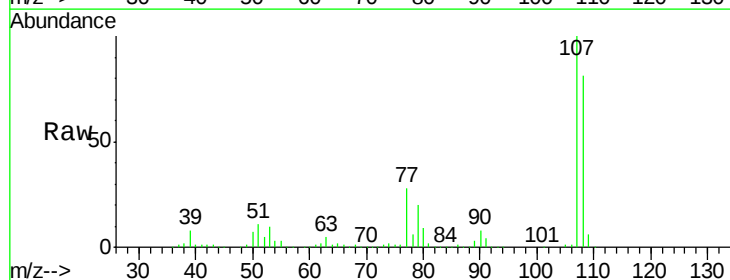
Ion Ratio Lower Upper

107 100

108 81.0 91.7 137.5#

77 28.1 33.8 50.8#

79 20.5 33.8 50.8#



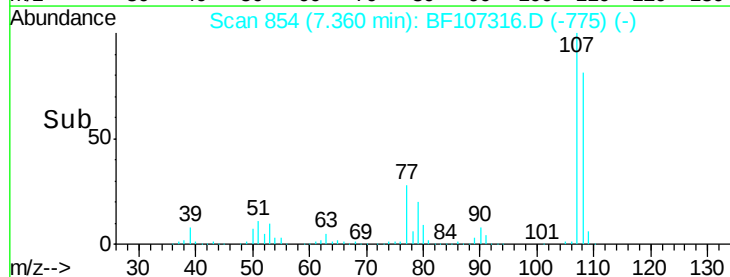
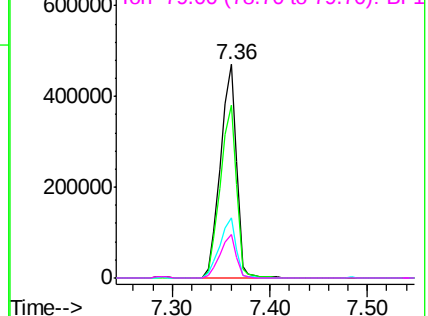
Abundance

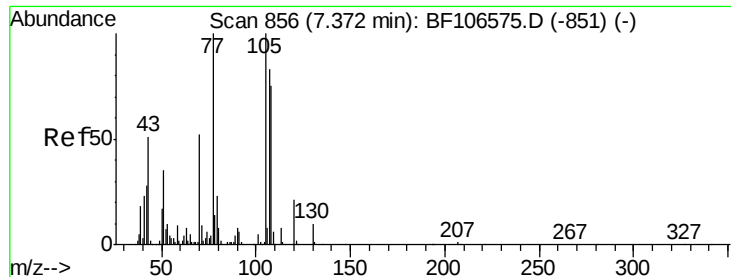
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#20

3+4-Methylphenols

Concen: Below Cal

RT: 7.36 min Scan# 854

Delta R.T. 0.01 min

Lab File: BF107316.D

Acq: 11 Jul 2018 22:26

Instrument :

BNA_F

ClientSampleId :

RB47196RT

Tgt Ion:107 Resp: 542569

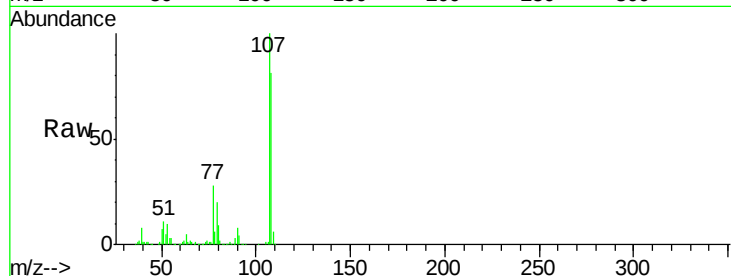
Ion Ratio Lower Upper

107 100

108 81.0 68.2 108.2

77 28.1 26.7 66.7

79 20.5 6.3 46.3

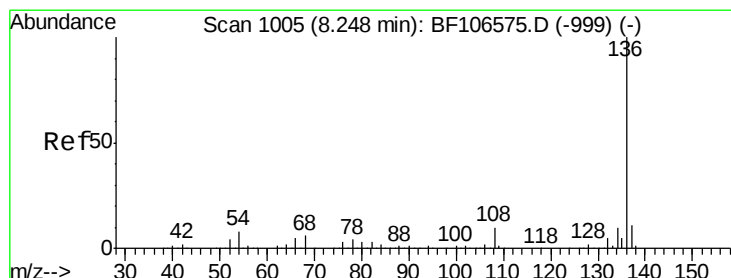
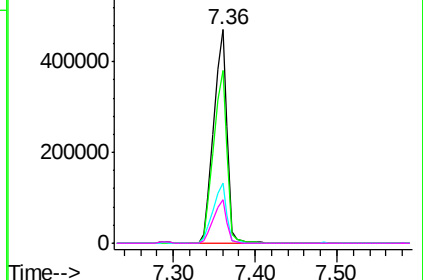
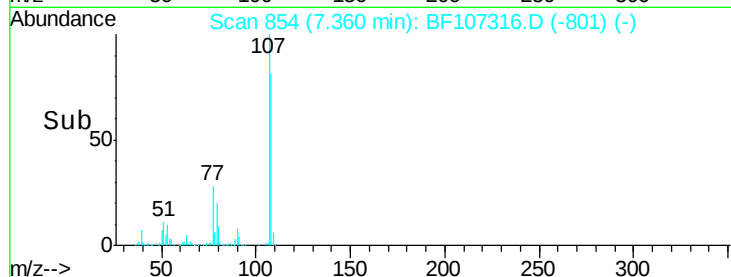


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BF107316.D

Acq: 11 Jul 2018 22:26

Tgt Ion:136 Resp: 199395

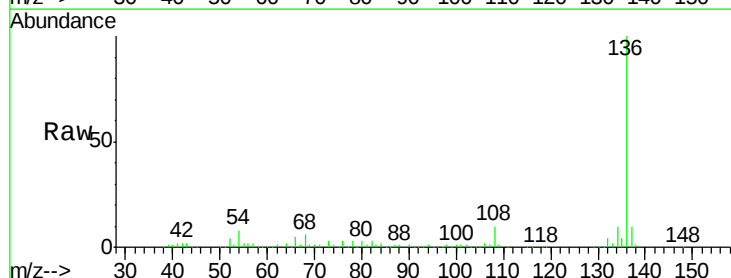
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 7.7 6.6 9.8

68 6.2 5.0 7.4

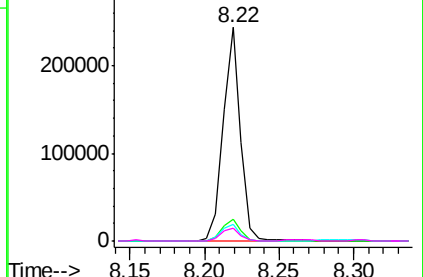
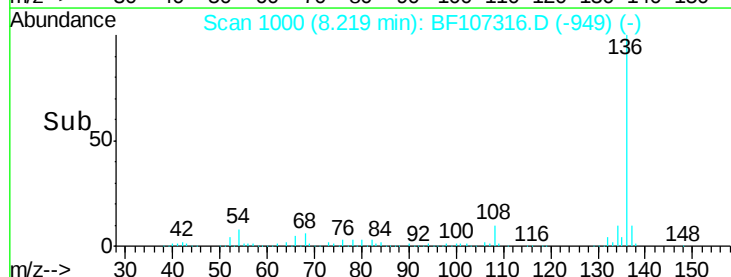


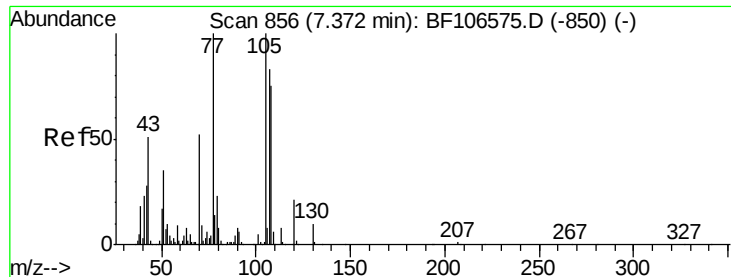
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#22

Acetophenone

Concen: 2.964 ng

RT: 7.34 min Scan# 851

Delta R.T. -0.00 min

Lab File: BF107316.D

Acq: 11 Jul 2018 22:26

Instrument :

BNA_F

ClientSampleId :

RB47196RT

Tgt Ion: 105 Resp: 13224

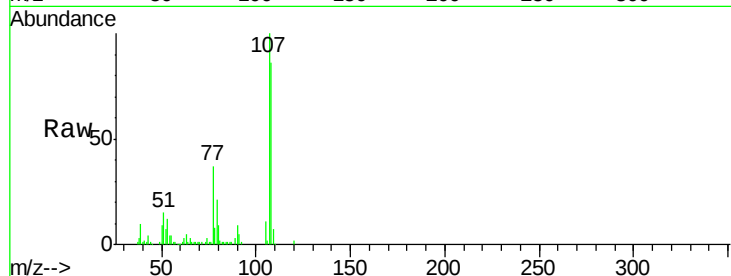
Ion Ratio Lower Upper

105 100

71 9.4 4.4 6.6#

51 143.2 22.3 33.5#

120 19.3 16.9 25.3

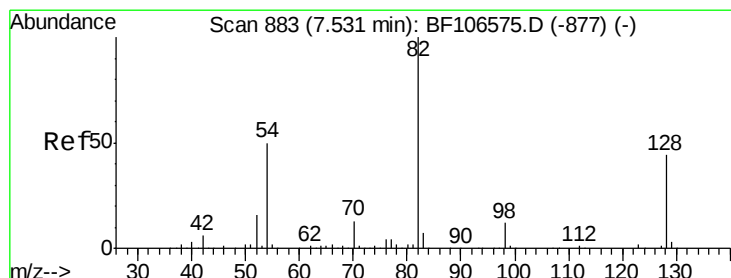
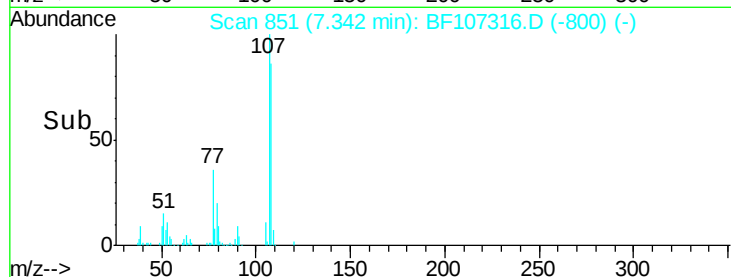
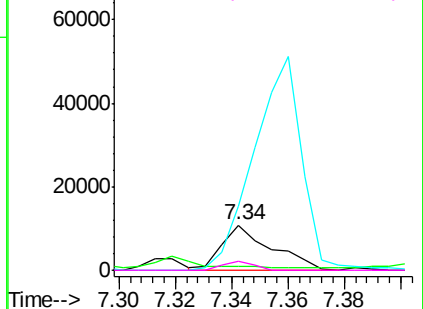


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 56.440 ng

RT: 7.50 min Scan# 878

Delta R.T. -0.00 min

Lab File: BF107316.D

Acq: 11 Jul 2018 22:26

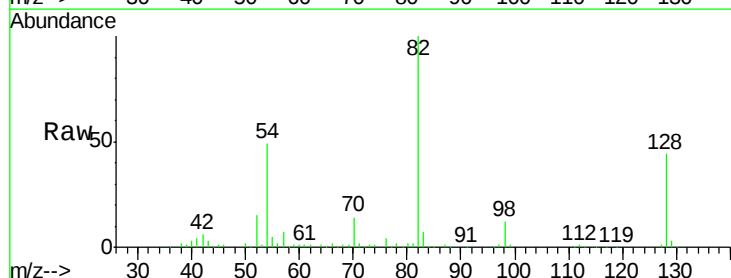
Tgt Ion: 82 Resp: 202504

Ion Ratio Lower Upper

82 100

128 44.4 36.1 54.1

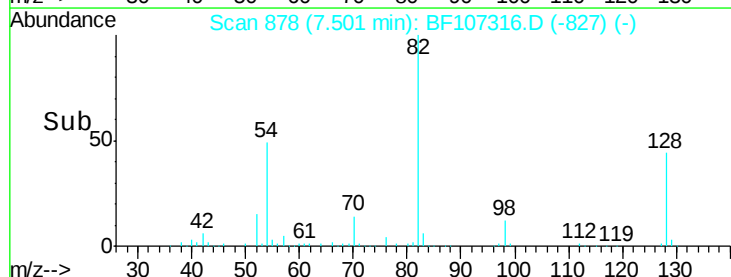
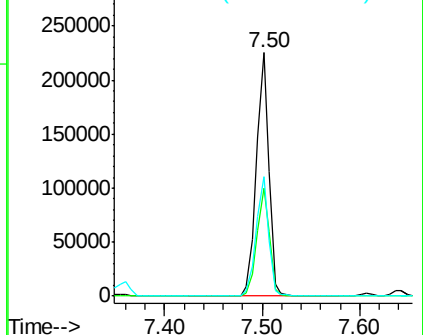
54 48.8 41.4 62.2

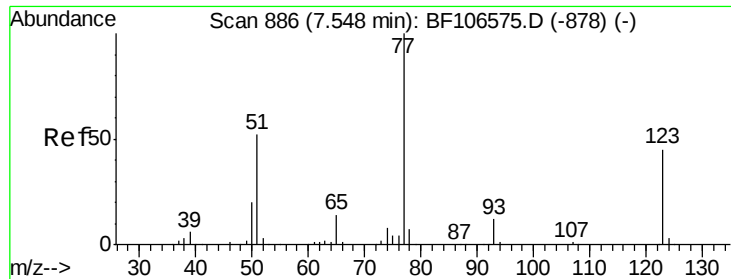


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

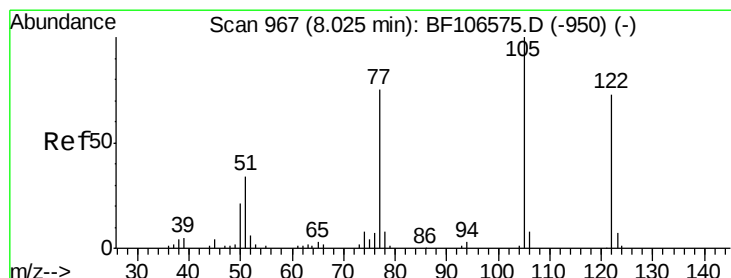
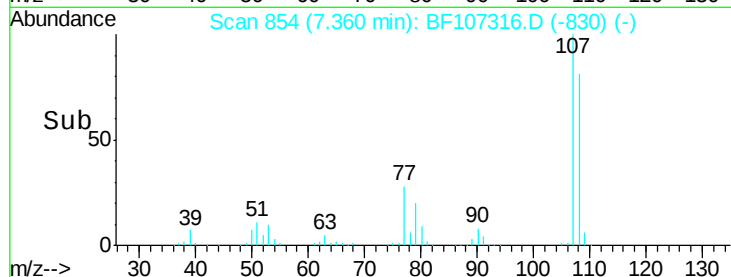
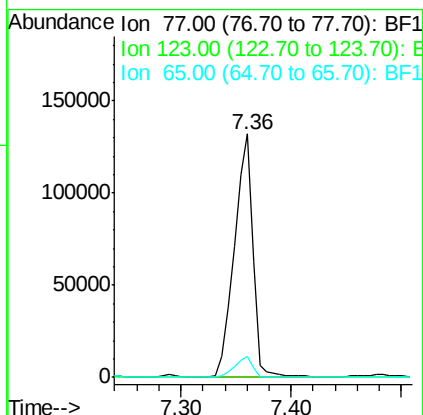
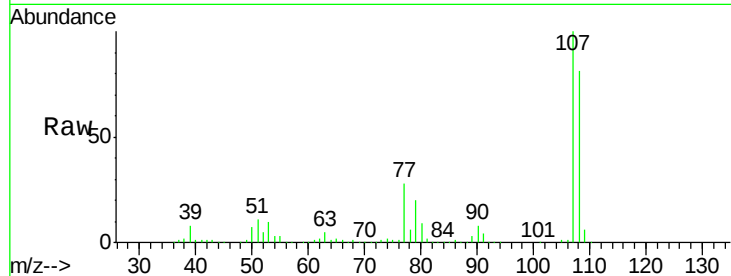




#24
 Nitrobenzene
 Concen: 42.794 ng
 RT: 7.36 min Scan# 854
 Delta R.T. -0.16 min
 Lab File: BF107316.D
 Acq: 11 Jul 2018 22:26

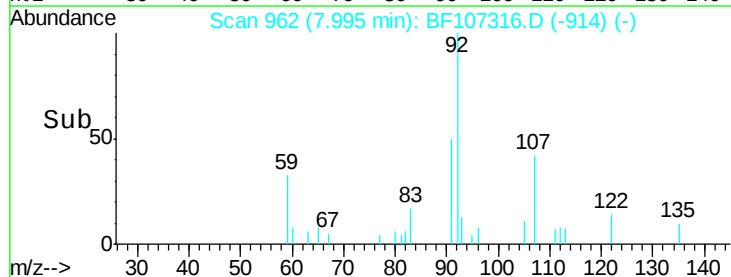
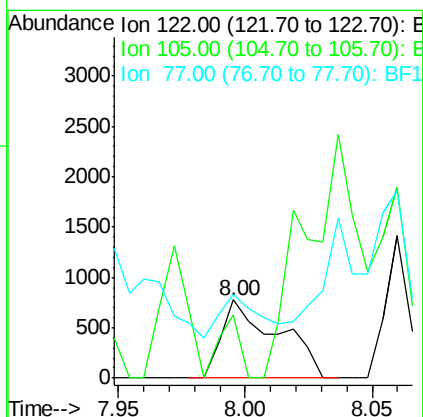
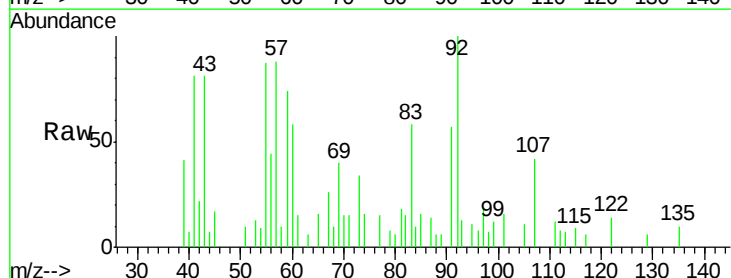
Instrument :
 BNA_F
 ClientSampleId :
 RB47196RT

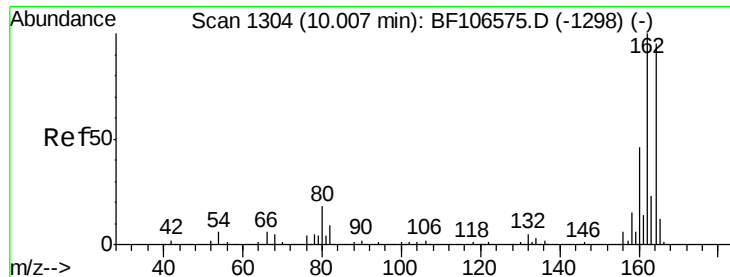
Tgt Ion: 77 Resp: 156760
 Ion Ratio Lower Upper
 77 100
 123 0.0 37.9 56.9#
 65 8.4 11.0 16.4#



#32
 Benzoic acid
 Concen: 6.266 ng
 RT: 8.00 min Scan# 962
 Delta R.T. -0.02 min
 Lab File: BF107316.D
 Acq: 11 Jul 2018 22:26

Tgt Ion: 122 Resp: 1180
 Ion Ratio Lower Upper
 122 100
 105 80.2 101.1 141.1#
 77 107.4 70.7 110.7

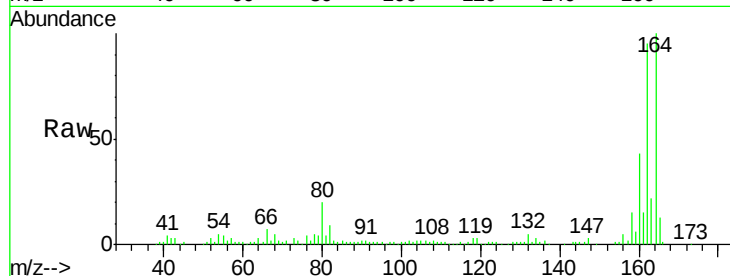




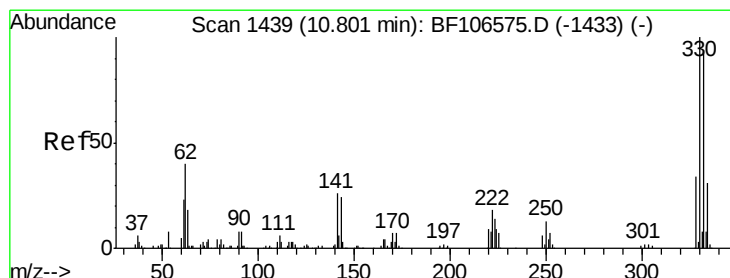
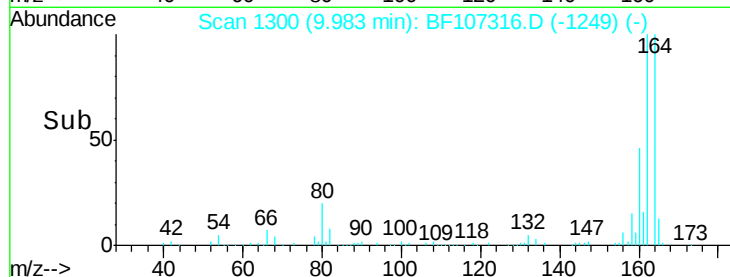
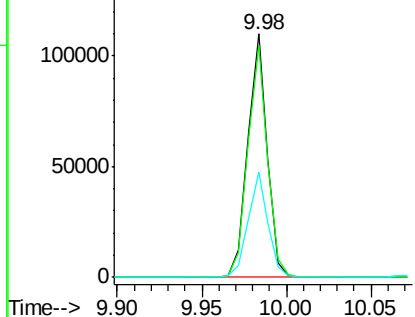
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1300
 Delta R.T. 0.00 min
 Lab File: BF107316.D
 Acq: 11 Jul 2018 22:26

Instrument :
 BNA_F
 ClientSampleId :
 RB47196RT

Tgt Ion:164 Resp: 88510
 Ion Ratio Lower Upper
 164 100
 162 95.3 86.1 129.1
 160 43.4 38.3 57.5

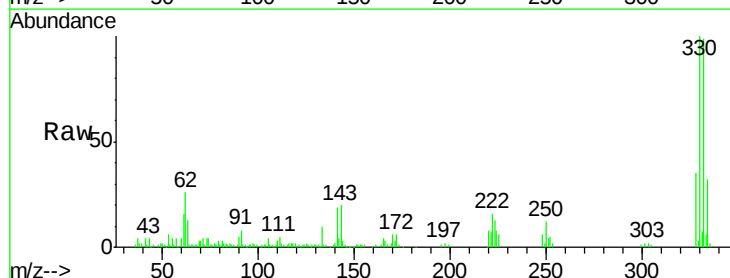


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

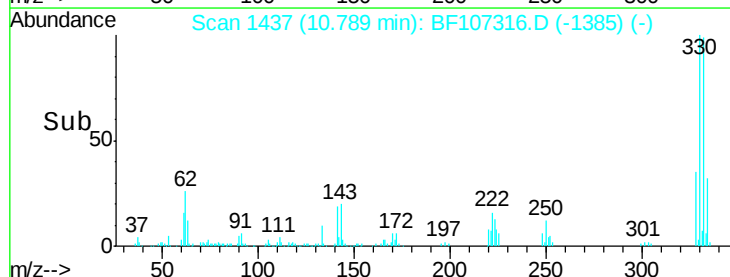
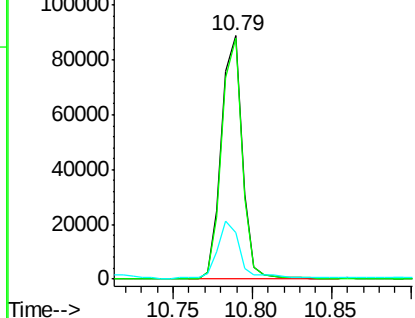


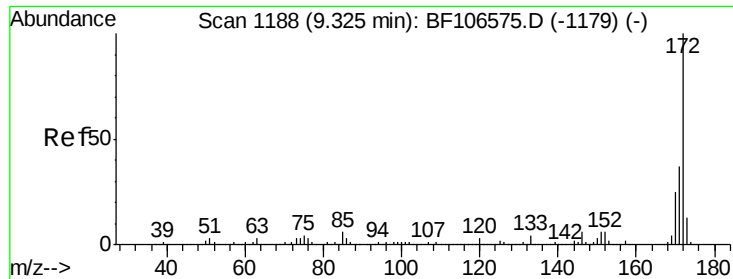
#41
 2,4,6-Tribromophenol
 Concen: 80.339 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. 0.01 min
 Lab File: BF107316.D
 Acq: 11 Jul 2018 22:26

Tgt Ion:330 Resp: 82416
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 24.7 29.9 44.9#



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

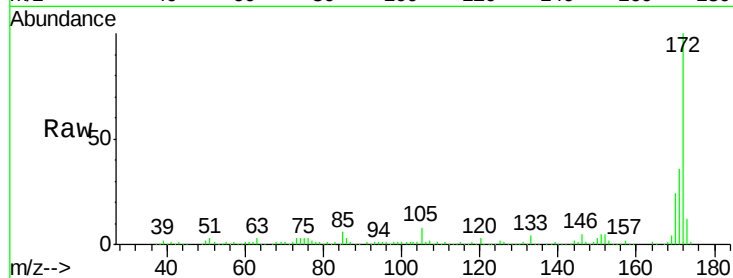




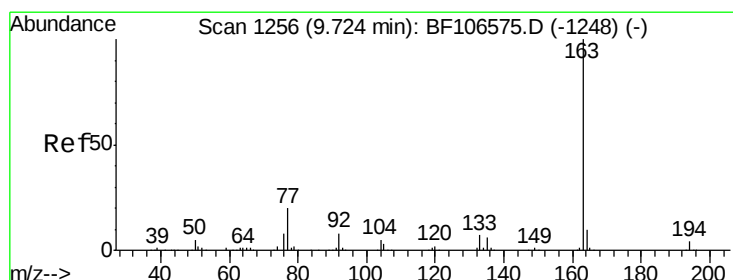
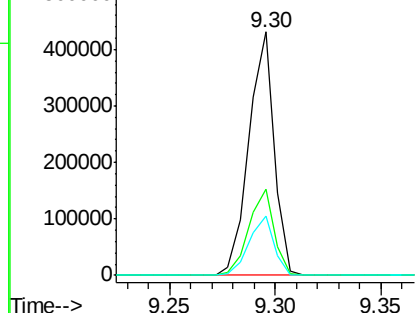
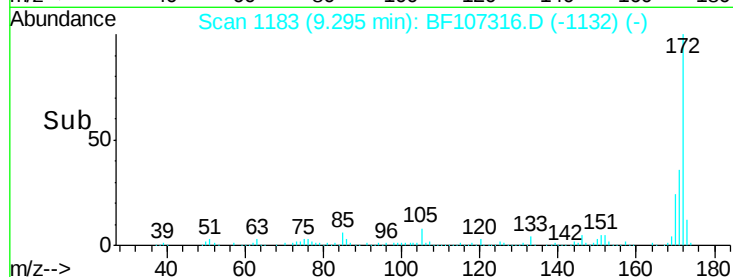
#44
 2-Fluorobiphenyl
 Concen: 65.153 ng
 RT: 9.30 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: BF107316.D
 Acq: 11 Jul 2018 22:26

Instrument :
 BNA_F
 ClientSampleId :
 RB47196RT

Tgt Ion:172 Resp: 358706
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 24.2 19.6 29.4

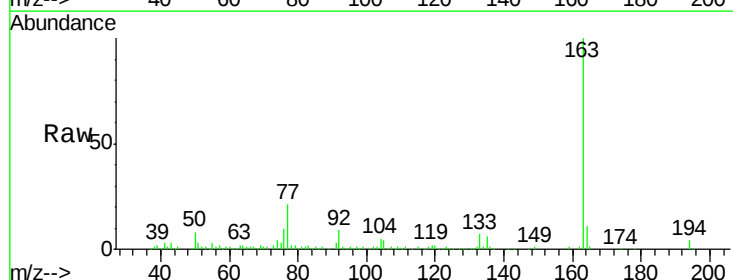


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

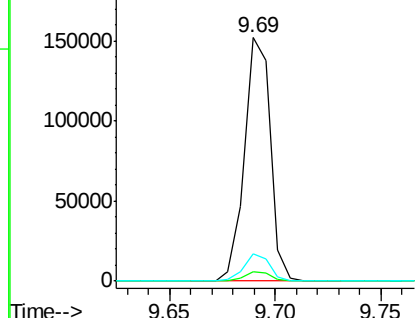
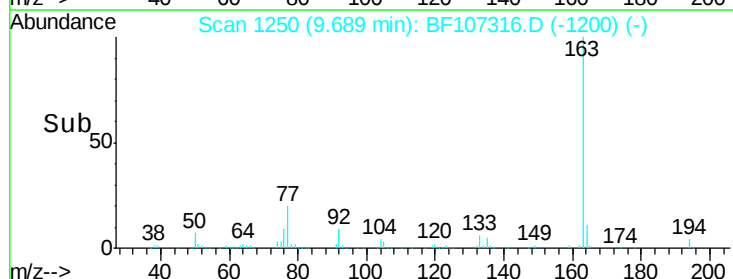


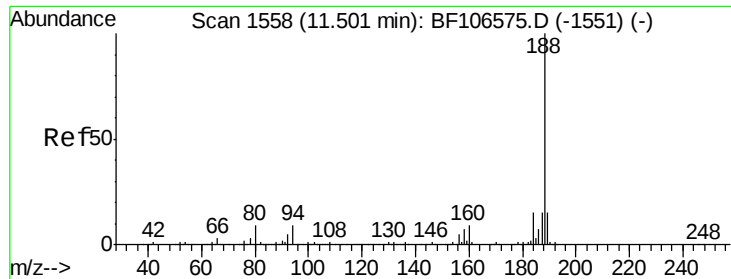
#49
 Dimethylphthalate
 Concen: 19.411 ng
 RT: 9.69 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: BF107316.D
 Acq: 11 Jul 2018 22:26

Tgt Ion:163 Resp: 128857
 Ion Ratio Lower Upper
 163 100
 194 3.9 2.7 4.1
 164 11.2 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

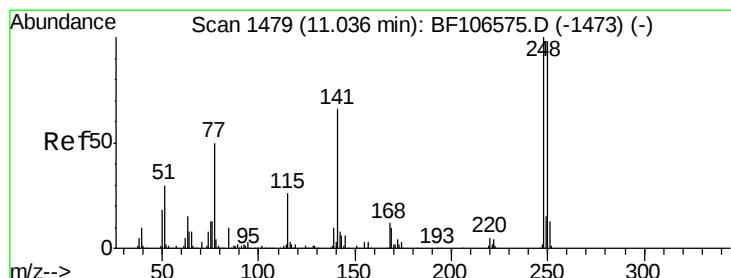
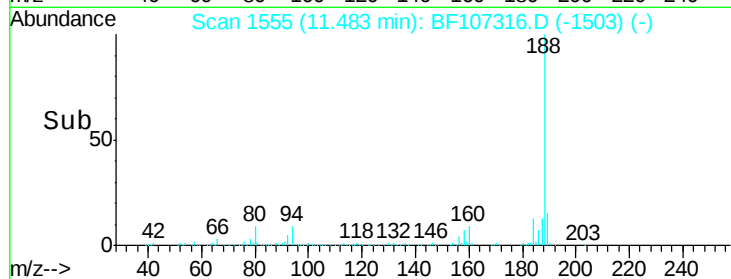
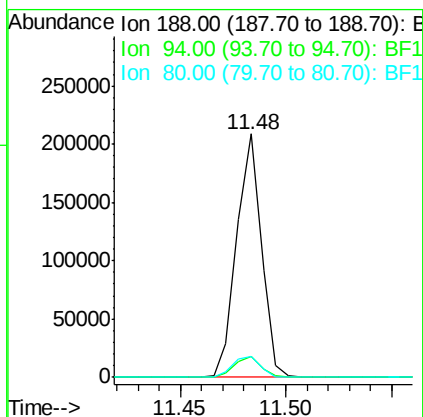
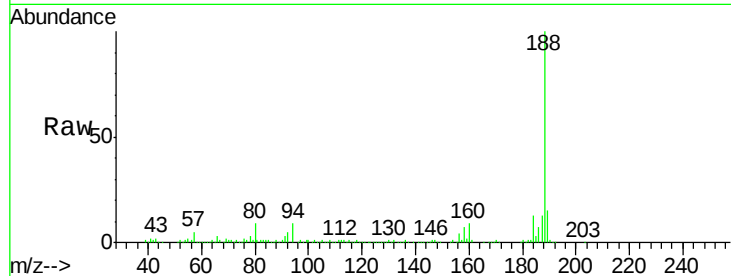




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1555
Delta R.T. 0.01 min
Lab File: BF107316.D
Acq: 11 Jul 2018 22:26

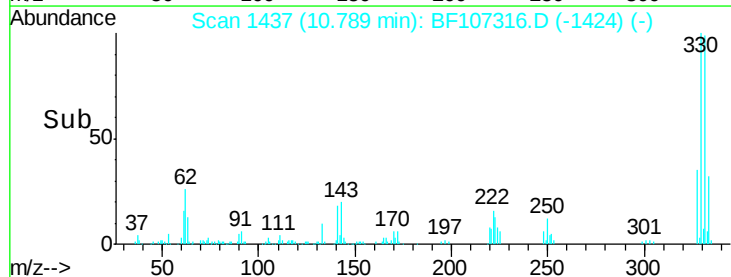
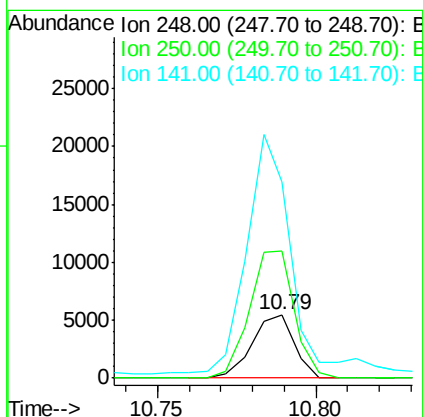
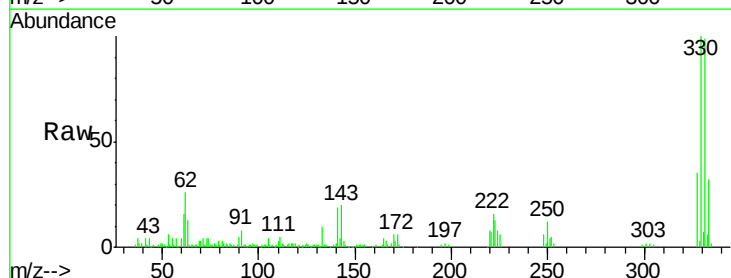
Instrument :
BNA_F
ClientSampleId :
RB47196RT

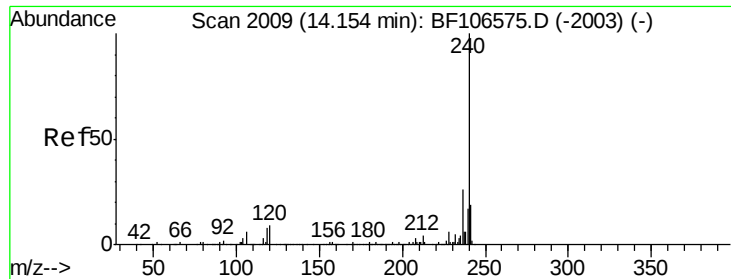
Tgt Ion:188 Resp: 169498
Ion Ratio Lower Upper
188 100
94 8.7 8.5 12.7
80 8.8 9.2 13.8#



#66
4-Bromophenyl-phenylether
Concen: 2.499 ng
RT: 10.79 min Scan# 1437
Delta R.T. -0.22 min
Lab File: BF107316.D
Acq: 11 Jul 2018 22:26

Tgt Ion:248 Resp: 5055
Ion Ratio Lower Upper
248 100
250 201.2 76.9 115.3#
141 311.2 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BF107316.D

Acq: 11 Jul 2018 22:26

Instrument :

BNA_F

ClientSampleId :

RB47196RT

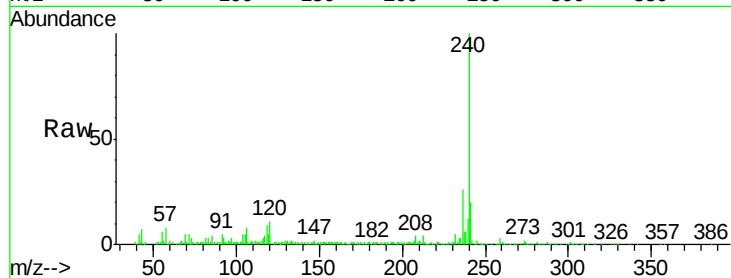
Tgt Ion:240 Resp: 147806

Ion Ratio Lower Upper

240 100

120 10.8 9.5 14.3

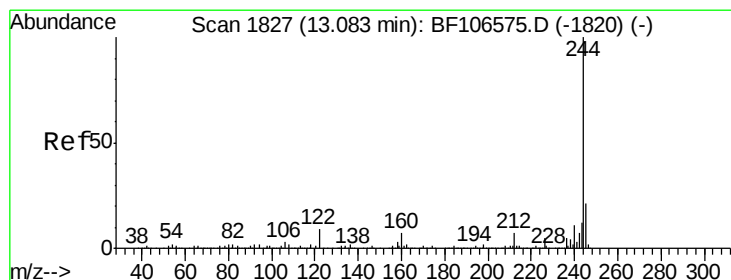
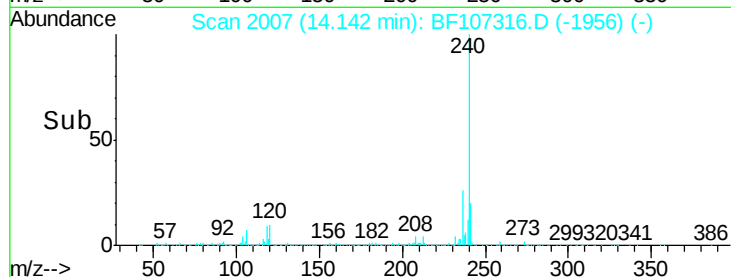
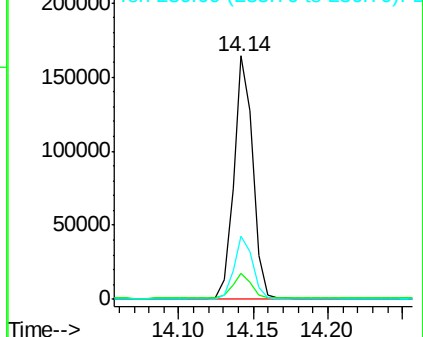
236 25.9 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 66.033 ng

RT: 13.07 min Scan# 1825

Delta R.T. 0.01 min

Lab File: BF107316.D

Acq: 11 Jul 2018 22:26

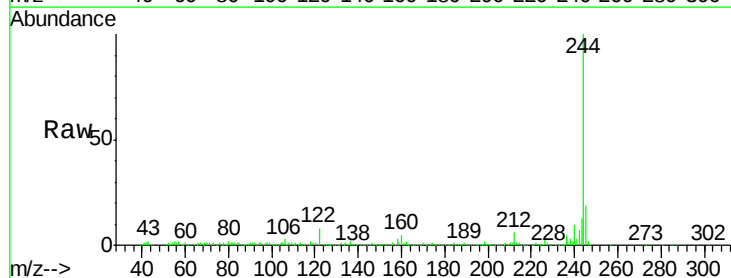
Tgt Ion:244 Resp: 402925

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

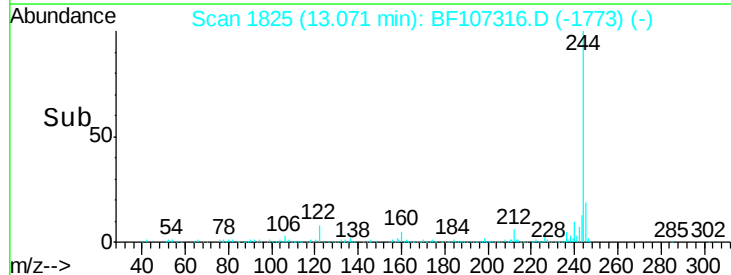
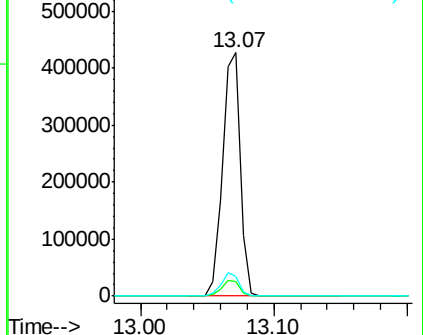
122 8.0 11.0 16.4#

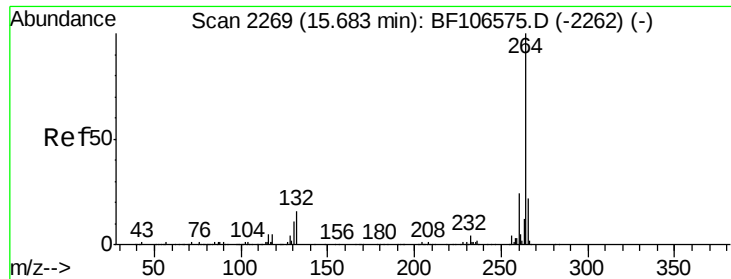


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF107316.D
Acq: 11 Jul 2018 22:26

Instrument :
BNA_F
ClientSampleId :
RB47196RT

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.8	19.2	28.8
265	22.2	17.5	26.3

